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Yeast strains and growth conditions

PK Pil Jung Kang HP Hay-Oak Park

Updated date: Jul 27, 2022

An abbreviated version of this protocol was published in Molecular Biology of the Cell in Mar 2022

Up-regulation of the Cdc42 GTPase limits the replicative life span of budding yeast

DOI: 10.1091/mbc.e21-04-0208

Detailed protocol

GFP-Cdc42 was expressed from the P_{CDC42}-GFP-linker-CDC42 (linker: APPRRLVHP) targeted to the *URA3* locus (using Ylplac211-P_{CDC42}-GFP-linker-CDC42). This strain and another strain that carries the extra copies of GFP-CDC42 were originally described in Kuo et al. (2014) *Cure Biol* **24**:753–759. The endogenous CDC42 was deleted by crossing with DLY13891 (MAT**a** *cdc42::TRP1 URA3:GFP-CDC42* (8x) in the same genetic background) (Wu *et al*., 2015, eLife *4*, 11611). As cited in the text (see the details in Wu et al., 2015), these fusions are not fully functional at a temperature higher than 34^{O}C.

How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Kang, P. and Park, H. (2022). Yeast strains and growth conditions. Bio-protocol Preprint. bio-protocol.org/prep1822.
2. Kang, P. J., Mullner, R., Li, H., Hansford, D., Shen, H. and Park, H.(2022). Up-regulation of the Cdc42 GTPase limits the replicative life span of budding yeast. Molecular Biology of the Cell 33(4). DOI: 10.1091/mbc.E21-04-0208

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